

PRESSURIZED SANITARY PRECISION POLYMER FILM CASTING AND
DISPERSION INJECTION SYSTEM AND METHOD OF CONSTRUCTING A
PRESSURIZED SANITARY PRECISION POLYMER FILM CASTING AND
DISPERSION INJECTION SYSTEM

ABSTRACT OF THE DISCLOSURE

An output supply assembly has a horizontal base receiving a container of a flowable material. A platen is positionable in the container. A pump feeds the pressurized flowable material from the container. A dispensing and handling assembly has two film-forming dies of similar configuration. A pair of hoses is provided between the output supply assembly and the dispensing and handling assembly. A control assembly couples the output supply assembly and the dispensing and handling assembly. Flowable material is fed through the assembly to form film. A pair of film-movers are beneath the film-forming dies. A pair of rotary dies are beneath the film-movers. An injector is located above the film-movers for periodic dispensing of particulate material. Containers are formed upon the solidification of the flowable material moving between the dies.